

## Appendix A References - Related Publications

### American Society for Testing and Materials

#### American Society for Testing and Materials.

"Standard Test Methods for Crosshole Seismic Testing," ASTM D-4428 M-84.

#### American Society for Testing and Materials 1988

American Society for Testing and Materials. 1988. "Geotechnical Applications of Remote Sensing and Remote Data Transmission," STP 967, A. I. Johnson and C. B. Pettersson, ed., Philadelphia, PA.

#### Allen, Richart, and Woods 1980

Allen, N. F., Richart, F. E., Jr., and Woods, R. D. 1980. "Fluid Wave Propagation in Saturated and Nearly Saturated Sand," *Journal of the Geotechnical Engineering Division, ASCE*, Vol 106, No. GT3, pp 235-254.

#### Annan 1992

Annan, A. P. 1992. "Ground Penetrating Radar, Workshop Notes," Sensors and Software, Inc., Ontario, Canada.

#### Arzi 1975

Arzi, A. A. 1975. "Microgravimetry for Engineering Applications," *Geophysical Prospecting*, Vol 23, No. 3, pp 408-425.

#### Avery and Berlin 1985

Avery, T. E., and Berlin, G. L. 1985. *Interpretation of Aerial Photographs*, Burgess Publishing Co., Minneapolis, MN.

#### Ballard, McGee, and Whalin 1992

Ballard, Robert F., McGee, Richard G., and Whalin, Robert W. 1992. "A High-Resolution Subbottom Imaging System," *Proceedings, US/Japan Marine Facilities Panel of UNJR*, 25 October - 11 November 1992, Washington, DC.

#### Ballard et al. 1993

Ballard, R. F., Sjostrom, K. J., McGee, R. G., and Leist, R. L. 1993. "A Rapid Geophysical Technique for Sub-bottom Imaging," Dredging Research Technical Notes DRP-2-07, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

#### Barker 1990

Barker, R. D. 1990. "Investigation of Groundwater Salinity by Geophysical Methods," *Geotechnical and*

*Environmental Geophysics*, Vol 2, pp 201-212, Society of Exploration Geophysicists, Tulsa, OK.

#### Bateman 1985

Bateman, R. M. 1985. *Log Quality Control*, Boston International Human Resources Development Corp.

#### Belknap et al. 1959

Belknap, W. B., Dewan, J. F., Kirkpatrick, C. V., Mott, W. E., Pearson, A. J., and Robson, W. R. 1959. "API Calibration Facility for Nuclear Logs," *Drilling and Production Practice*, American Petroleum Institute, pp 289-316.

#### Benson, Glaccum, and Noel 1983

Benson, R. C., Glaccum, R. A., and Noel, M. R. 1983. *Geophysical Techniques for Sensing Buried Wastes and Waste Migrations*, U.S. Environmental Protection Agency, Washington, DC, Contract No. 68-03-3050, National Water Well Association, Worthington, OH.

#### Blake 1975

Blake L. S. (Editor). 1975. *Civil Engineer's Reference Book, 3rd Edition*, Butterworths, London.

#### Blizkovsky 1979

Blizkovsky, M. 1979. "Processing and Applications in Microgravity Surveys," *Geophysical Prospecting*, Vol 27, No. 4, pp 848-861.

#### Bodmer, Ward, and Morrison 1968

Bodmer, Rene, Ward, S. H., and Morrison, H. F. 1968. "On Induced Electrical Polarization and Ground Water," *Geophysics*, Vol 33, No. 5, pp 805-821.

#### Bradshaw 1976

Bradshaw, J. M. 1976. "New Casing Log Defines Internal/External Corrosion," *World Oil*, Vol 183, No. 4, pp 53-55.

#### Broding 1984

Broding, R. A. 1984. "Application of the Sonic Volumetric Scan Log to Cement Evaluation," Society of Professional Well Log Analysts Annual Logging Symposium, 25th, New Orleans, 1984, Transactions: Houston, Society of Professional Well Log Analysts, Vol 2, pp JJ1-JJ17.

#### Butler 1983

Butler, Dwain K. 1983. "Cavity Detection and Delineation Research; Report 1, Microgravimetric Surveys, Medford Caul Site, Florida," Technical Report GL-83-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Butler 1984**

Butler, Dwain K. 1984. "Microgravimetric and Gravity-Gradient Techniques for Detection of Subsurface Cavities," *Geophysics*, Vol 49, No. 7, pp 1084-1096.

**Butler 1986a**

Butler, Dwain K. 1986. "Assessment and Field Examples of Continuous Wave Electromagnetic Surveying for Ground Water; Report 10, Military Hydrology," Miscellaneous Paper EL-79-6, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Butler 1986b**

Butler, Dwain K. 1986. "Transient Electromagnetic Methods for Ground-Water Assessment," Miscellaneous Paper GL-86-27, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Butler et al. 1989**

Butler, Dwain K., Yule, Donald E., Llopis, Jose L., and Sharp, Michael K. 1989. "Geophysical Assessment of Foundation Conditions, Mill Creek Dam," Technical Report GL-89-12, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Butler, Simms, and Cook 1994**

Butler, Dwain K., Simms, Janet E., and Cook, Daryl S. 1994. "Archaeological Geophysics Investigation of the Wright Brothers 1910 Hanger Site," Technical Report GL-89-13, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Butler 1992**

Butler, Dwain K. 1992. "Proceedings of the Government Users Workshop on Ground Penetrating Radar Applications and Equipment," Miscellaneous Paper GL-92-40, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Cahyna, Mazac, and Vendhodova 1990**

Cahyna, F., Mazac, O., and Vendhodova, D. 1990. "Determination of the Extent of Cyanide Contamination by Surface Geoelectrical Methods," *Geotechnical and Environmental Geophysics*, Vol 2, pp 97-99, Society of Exploration Geophysicists, Tulsa, OK.

**Colwell 1983**

Colwell, R. N. 1983. *Manual of Remote Sensing*, Volumes 1 and 2, American Society of Photogrammetry, Falls Church, VA.

**Corwin 1989**

Corwin, Robert W. 1989. "Geotechnical Applications of the Self-Potential Method," Technical Report REMRGT-6, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Corwin and Hoover 1979**

Corwin, R. F., and Hoover, D. B. 1979. "The Self-Potential Method in Geothermal Exploration," *Geophysics*, Vol 44, No. 2, pp 226-245.

**Craig and Randall 1976**

Craig, J. T., Jr., and Randall, B. V. 1976. "Directional Survey Calculation," *Petroleum Engineer International*, March 1976, pp 38-54.

**Crowder, Paillet, and Hess 1994**

Crowder, R. E., Paillet, F. L., and Hess, A. E. 1994. "High Resolution Flowmeter Logging - A Unique Combination of Borehole Geophysics and Hydraulics; Part I, Flowmeter Techniques and Equipment Development: Borehole Applications with the Heat Pulse Flowmeter," *Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems*, Vol 1.

**Das 1994**

Das, Braja M. 1994. *Principles of Geotechnical Engineering*, 3rd edition, PWS Publishing Company, Boston, MA.

**Davison, Keys, and Paillet 1982**

Davison, C. C., Keys, W. S., and Paillet, F. L. 1982. "Use of Borehole-Geophysical Logs and Hydrologic Tests to Characterize Crystalline Rock for Nuclear-Waste Storage, Whiteshell Nuclear Research Establishment, Manitoba and Chalk River Nuclear Laboratory, Ontario, Canada," Technical Report 418, Battelle Project Management Division Office of Nuclear Waste Isolation, Columbus, OH.

**Dobrin 1960**

Dobrin, M. B. 1960. *Introduction to Geophysical Prospecting*, 2nd edition, McGraw-Hill Book Co, Inc., New York.

**Dodds and Ivic 1990**

Dodds, A. R., and Ivic, D. 1990. "Integrated Geophysical Methods Used for Groundwater Studies in the Murray Basin, South Australia in Geotechnical and Environmental Geophysics," Society of Exploration Geophysicists.

**Dudgeon, Green, and Smedmor 1975**

Dudgeon, C. R., Green, M. J., and Smedmor, W. J. 1975. "Heat-Pulse Flowmeter for Boreholes," Technical Report 4, Water Research Centre, Medmenham, England.

**Duska 1963**

Duska, L. 1963. "A Rapid Curved Path Method for Weathering and Drift Corrections," *Blondeau Swartz*, Vol 28, No. 6, pp 925-947.

**Eastman Kodak Co. 1982**

Eastman Kodak Co. 1982. "Kodak for Aerial Photography," Kodak Publication No. M-29, Rochester, NY.

**Eastman Kodak Co. 1983**

Eastman Kodak Co. 1983. "Characteristics of Kodak Films," Kodak Publication No. M-57, Rochester, NY.

**Edwards and Stroud 1964**

Edwards, J. M., and Stroud, S. G. 1964. "A Report on Field Results of the Electromagnetic Casing Inspection Log." Paper SPE 664, Society of Petroleum Engineers of the American Institute of Mining, Metallurgical, and Petroleum Engineers.

**Elifrits et al. 1979**

Elifrits, C. D., Barney, T. W., Barr, D. J., and Johannsen, C. J. 1979. "Low Cost Method of Mapping Land Cover Using Satellite Images," *Learning to Use Our Environment*, The Institute of Environmental Studies, Mt. Prospect, IL.

**Erchul and Slifer 1989**

Erchul, Ronald A., and Slifer, Dennis W. 1989 (May). "The Use of Self Potential to Detect Ground-Water Flow in Karst," Technical Report REMR-GT-6, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Ewing 1939**

Ewing, S. 1939. "The Copper-Copper Sulphate Half Cell for Measuring Potentials in the Earth," *American Gas Association Proc.*

**Fajklewicz 1983**

Fajklewicz, Z. 1983. "Rock-Burst Forecasting and Genetic Research in Coal-Mines by Microgravity Method," *Geophysical Prospecting*, Vol 31, No. 5, pp 748-765.

**Frzsche and Von Buttlar 1957**

Frzsche, R. H., and Von Buttlar, Haro. 1957. "A Theoretical Study of Induced Electrical Polarization," *Geophysics*, Vol 22, No. 3, pp. 688-706.

**Gal'perin 1974**

Gal'perin, E. I. 1974. "Vertical Seismic Profiling," Special Publication No. 12, Society of Exploration Geophysicists.

**Geonics 1993**

Geonics. 1993. "Buried-Metal Detection with the EM61," Geonics Limited, Ontario, Canada.

**Ghosh 1971a**

Ghosh, D. P. 1971a. "Inverse Filter Coefficient for the Computation of Apparent Resistivity Standard Curves for a Horizontally Stratified Earth," *Geophysical Prospecting*, Vol 19, No. 4, pp 769-775.

**Ghosh 1971b**

Ghosh, D. P. 1971b. "The Application of Linear Filter Theory to the Direct Interpretation of Geoelectrical Resistivity Sounding Measurements," *Geophysical Prospecting*, Vol 19, pp 192-217.

**Grant and West 1965**

Grant, F. S., and West, G. F. 1965. *Interpretation Theory in Applied Geophysics*, McGraw-Hill, New York.

**Guyod 1966**

Guyod, Hubert. 1966. "Interpretation of Electric and Gamma Ray Logs in Water Wells," *The Log Analyst*, Vol 6, No. 5, pp 29-44.

**Hallof 1980**

Hallof, Philip. 1980. "Grounded Electrical Methods in Geophysical Exploration," *Practical Geophysics for the Exploration Geologist*, pp 39-152, Northwest Mining Association, Spokane, WA.

**Hardage 1983**

Hardage, B. A. 1983. "Vertical Seismic Profiling, Part A: Principles," *Geophysical Press*, London.

**Hardage and DiSiena 1984**

Hardage, B. A., and DiSiena, J. P. 1984. "Vertical Seismic Profiling," Society of Exploration Geophysicists Continuing Education Program, Denver, CO.

**Hearst and Nelson 1985**

Hearst, J. R., and Nelson, P. H. 1985. *Well Logging for Physical Properties*, McGraw-Hill, New York.

**Heiland 1940**

Heiland, C. A. 1940. *Geophysical Exploration*, Prentice-Hall, New York.

**Hempen and Hatheway 1992**

Hempen, Gregory, and Hatheway, Allen. 1992. "Geophysical Methods for Hazardous Waste Site Characterization," Special Publication No. 3, Association of Engineering Geologists, Sudbury, MA.

**Hess 1982**

Hess, A. E. 1982. "A Heat-Pulse Flowmeter for Measuring Low Velocities in Boreholes," U.S. Geological Survey Open-File Report 82-699.

**Hilchie 1968**

Hilchie, D. W. 1968. "Caliper Logging--Theory and Practice," *The Log Analyst*, Vol 9, No. 1, pp 3-12.

**Hoar 1982**

Hoar, J. H. 1982. "Field Measurement of Seismic Wave Velocity and Attenuation for Dynamic Analyses," Ph.D. diss., University of Texas at Austin.

**Hodges and Teasdale 1991**

Hodges, R. E., and Teasdale, W. E. 1991. "Considerations Related to Drilling Methods in Planning and Performing Borehole-Geophysical Logging for Ground-water Studies," Water-Resources Investigations Report 91-4090, U.S. Geological Survey.

**Hoffman, Fenton, and Pawlowicz 1991**

Hoffman, G. L., Fenton, M. M., and Pawlowicz, J. G. 1991. "Downhole Geophysics Project 1986-1990," Final Report, Alberta Research Council Information Series No. 110.

**Hollister 1967**

Hollister, J. C. 1967. "A Curved Path Refractor Method, in Seismic Refraction Prospecting," A. W. Musgrave, editor, Society of Exploration Geophysicists, Tulsa, OK, pp 217-230.

**Hudson 1976**

Hudson, D. D. 1976. "A Cost/Benefit Study of Several Land Use Mapping Methodologies Using Remotely Sensed Data," unpublished M.S. thesis, Department of Geological Engineering, University of Missouri at Rolla.

**Hudson, Elifrits, and Barr 1976**

Hudson, D. D., Elifrits, C. D., and Barr, D. J. 1976. "Investigation of the Use of Remote Sensor Imagery for Land Resource Mapping," Office of Administration, State of Missouri, Jefferson City, MO.

**Johannsen 1975**

Johannsen, H. K. 1975. "An Interactive Computer/Graphic-Display-Terminal System for Interpretation of Resistivity Soundings," *Geophysical Prospecting*, Vol 23, pp 449-458.

**Johannsen and Sanders 1982**

Johannsen, C. J., and Sanders, J. L. 1982. *Remote Sensing and Resource Management*, Soil Conservation Society of America, Ankeny, IA.

**Jones 1961**

Jones, P. H. 1961. "Hydrology of Waste Disposal, National Reactor Testing Station, Idaho," US Geological Survey IDO 22042, Issued by US Atomic Energy Commission Technical Information Service, Oak Ridge, TN.

**Jorgensen 1989**

Jorgensen, D. G. 1989. "Using Geophysical Logs to Estimate Porosity, Water Resistivity, and Intrinsic Permeability," U.S. Geological Survey Water Supply Paper 2321.

**Joyce 1978**

Joyce, A. T. 1978. "Procedures for Gathering Ground Truth Information for a Supervised Approach to a Computer-Implemented Land Cover Classification of Landsat-Acquired Multispectral Scanner Data," NASA Reference Publication No. 1015, National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, Houston, TX.

**Kaufman and Keller 1983**

Kaufman, A. A., and Keller, G. V. 1983. *Frequency and Transient Soundings*, Elsevier, New York.

**Keller and Frischknecht 1966**

Keller, G. V., and Frischknecht, F. C. 1966. *Electrical Methods in Geophysical Prospecting*, Pergamon Press, New York.

**Kendall 1965**

Kendall, H. A. 1965 (Sep). "Application of SP Curves to Corrosion Detection," *Journal of Petroleum Technology*, pp 1029-1032.

**Kennett and Ireson 1982**

Kennett, P., and Ireson, R. L. 1982. "Vertical Seismic Profiles," European Association of Exploration Geophysicists, 44th Annual Meeting, Cannes, France.

**Kerfoot 1982**

Kerfoot, W. B. 1982. "Comparison of 2-D and 3-D Ground-water Flowmeter Probes in Fully Penetrating Monitoring Wells," *Proceedings of the Second National Aquifer and Ground Water Monitoring Symposium*, National Water Well Association, pp 264-268.

**Keys 1963**

Keys, W. S. 1963. "Pressure Cementing of Water Wells on the National Reactor Testing Station, Idaho," US Atomic Energy Commission, IDO 12022.

**Keys 1979**

Keys, W. S. 1979. "Borehole Geophysics in Igneous and Metamorphic Rocks," *Transactions, Society of Professional Well Loggers 20th Annual Logging Symposium*, Tulsa, Society of Professional Well Log Analysts, pp 001-0026.

**Keys 1984**

Keys, W. S. 1984. "A Synthesis of Borehole Geophysical Data at the Underground Research Laboratory, Manitoba, Canada," Technical Report 15, Battelle Project Management Division Office of Crystalline Repository Development, Columbus, OH.

**Keys 1986**

Keys, W. S. 1986. "Analysis of Geophysical Logs of Water Wells with a Microcomputer," *Ground Water*, Vol 24, No. 6, pp 750-760.

**Keys 1990**

Keys, W. S. 1990. "Borehole Geophysics Applied to Ground-water Investigations," *Techniques of Water Resources Investigations of the U.S. Geological Survey*, Book 2, Chapter E2. (Also published in 1989 by the National Water Well Association.)

**Keys 1993**

Keys, W. S. 1993. "The Role of Borehole Geophysics in a Superfund Lawsuit," *Transactions, 5th International Symposium, Minerals and Geotechnical Logging Society*.

**Keys and Boulogne 1969**

Keys, W. S., and Boulogne, A. R. 1969. "Well Logging with Californium-252," *Transactions, Society of Professional Well Log Analysts 10th Annual Logging Symposium*, Houston, Society of Professional Well Log Analysts, pp 1-25.

**Keys and Brown 1978**

Keys, W. S., and Brown, R. F. 1978. "The Use of Temperature Logs to Trace the Movement of Injected Water," *Ground Water*, Vol 16, No. 1, pp 32-48.

**Keys et al. 1979**

Keys, W. S., Wolff, R. G., Bredehoeft, J. D., Shuter, Eugene, and Healy, J. H. 1979. "In-situ Stress Measurements Near the San Andreas Fault in Central California," *Journal of Geophysical Research*, Vol 84, No. B4, pp 1583-1591.

**Keys, Crowder, and Henrich 1993**

Keys, W. S., Crowder, R. E., and Henrich, W. J. 1993. "Selecting Logs for Environmental Applications," *Seventh Annual Outdoor Action Conference on Aquifer Restoration, Groundwater Monitoring, and Geophysical Methods*, National Groundwater Association.

**Klein and Lajoie 1980**

Klein, Jan, and Lajoie, Jules. 1980. "Electromagnetic Prospecting for Minerals," *Practical Geophysics for the Exploration Geologist*, Northwest Mining Association, Spokane, WA, pp 239-290.

**Komarov et al. 1966**

Komarov, V. A., Pishpareva, H. N., Semenov, M. B., and Khloponina, L. S. 1966. "Theoretical Fundamentals for Interpretation of Survey Data Obtained with the Induced Polarization Method," Leningrad, Isdatel'stov "Nedra."

**Krige 1939**

Krige, J. J. 1939. "Borehole Temperatures in the Transvaal and Orange Free State," *Royal Society (London) Procedures Series A*, Vol 173, pp 450-474.

**Kuzmina and Ogil'vi 1965**

Kuzmina, E. N., and Ogil'vi, A. A. 1965. "On the Possibility of Using the Induced Polarization Method to Study Ground Water," *Razvedochnaya i Promyslovaya Geofizika*, No. 9, pp 47-69.

**Ladwig 1982**

Ladwig, K. J. 1982. "Electromagnetic Induction Methods for Monitoring Acid Mine Drainage," *Ground Water Monitoring Review*, Winter Issue, pp 46-57.

**Lillisand and Keifer 1994**

Lillisand, T. M., and Keifer, R. W. 1994. *Remote Sensing and Image Interpretation*, 3rd edition, Wiley, New York.

**Llopis and Butler 1988**

Llopis, Jose L., and Butler, Dwain K. 1988. "Geophysical Investigation in Support of Beaver Dam Comprehensive Seepage Investigation," Technical Report GL-88-6, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Llopis and Sjostrom 1989**

Llopis, Jose, and Sjostrom, Keith. 1989. "Geophysical Investigation at Hazardous Waste Management Site 16, Radford Army Ammunition Plant, Radford, Virginia," Miscellaneous Paper GL-89-18, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Loelkes et al. 1983**

Loelkes, G. L., Howard, G. E., Jr., Schwertz, E. L., Lampart, P. D., and Miller, S. W. 1983. "Land Use/Land Cover and Environmental Photointerpretation Keys," USGS Bulletin 1600, U.S. Geological Survey, Alexandria, VA.

**McNeill 1980**

McNeill, J. D. 1980. "Electromagnetic Terrain Conductivity Measurement at Low Induction Numbers," Technical Note TN-6, Geonics Limited, Ontario, Canada.

**McNeill 1986**

McNeill, J. D. 1986. "Rapid, Accurate Mapping of Soil Salinity Using Electromagnetic Ground Conductivity Meters," Technical Note TN-20, Geonics Limited, Ontario, Canada.

**McNeill 1990**

McNeill, J. D. 1990. "Use of Electromagnetic Methods for Groundwater Studies," *Geotechnical and Environmental Geophysics*, Vol 1, Society of Exploration Geophysicists, Tulsa, OK, pp 191-218.

**Mooney 1984**

Mooney, H. M. 1984. *Handbook of Engineering Geophysics; Volume 1: Seismic*, Bison Instruments Inc., 5706 West 36th Street, Minneapolis, MN, 55416 (612/926-1846).

**Mooney and Wetzel 1956**

Mooney, H. M., and Wetzel, W. W. 1956. "The Potentials About a Point Electrode and Apparent Resistivity

Curves for a Two-, Three-, and Four Layer Earth," University of Minnesota Press, Minneapolis, MN.

**Nettleton 1971**

Nettleton, L. L. 1971. "*Elementary Gravity and Magnetism for Geologists and Seismologists*," Society of Exploration Geophysicists, Tulsa, OK.

**Nielsen and Aller 1984**

Nielsen, David M., and Aller, Linda. 1984. "Methods for Determining the Mechanical Integrity of Class II Injection Wells," Robert S. Kerr Environmental Research Laboratory Report EPA-600/2-84-121, US Environmental Protection Agency Office of Research and Development, Ada, OK.

**Orellana and Mooney 1966**

Orellana, Ernesto, and Mooney, H. M. 1966. "Master Tables and Curves for Vertical Electrical Sounding Over Layered Structures," *Madrid Interciecia*.

**Paillet 1980**

Paillet, F. L. 1980. "Acoustic Propagation in the Vicinity of Fractures Which Intersect a Fluid-Filled Borehole," *Transactions, Society of Professional Well Log Analysts 21st Annual Logging Symposium*, pp DD1-DD33.

**Paillet 1981**

Paillet, F. L. 1981. "A Comparison of Fracture Characterization Techniques Applied to Near-Vertical Fractures in a Limestone Reservoir," *Transactions, Society of Professional Well Log Analysts 22nd Annual Logging Symposium*, pp XX1-XX29.

**Paillet and White 1982**

Paillet, F. L., and White, J. E. 1982. "Acoustic Modes of Propagation in the Borehole and Their Relationship to Rock Properties," *Geophysics*, Vol 47, No. 8, pp 1215-1228.

**Paillet, Keys, and Hess 1985**

Paillet, F. L., Keys, W. S., and Hess, A. E. 1985. "Effects of Lithology on Televiewer-Log Quality and Fracture Interpretation," *Transactions, Society of Professional Well Log Analysts 26th Annual Logging Symposium*, pp JJJ1-JJJ31.

**Paillet and Kim 1985**

Paillet, F. L., and Kim, Kunsoo. 1985. "The Character and Distribution of Borehole Breakouts and Their Relationship to In-Situ Stresses in Deep Columbia River Basalts," *Journal of Geophysical Research*.

**Paillet 1994**

Paillet, F. L. 1994. "Application of Borehole Geophysics in the Characterization of Flow in Fractured Rocks," US Geological Survey, Water Resources Investigations Report 93-4214.

**Paillet, Crowder, and Hess 1994**

Paillet, F. L., Crowder, R. E., and Hess, A. E. 1994. "High-Resolution Flowmeter Logging - A Unique Combination of Borehole Geophysics and Hydraulics; Part II, Borehole Applications with the Heat Pulse Flowmeter," *Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems*, Vol 1.

**Palacky, Ritsema, and De Jong 1981**

Palacky, G. J., Ritsema, I. L., and De Jong, S. L. 1981. "Electromagnetic Prospecting for Groundwater in Precambrian Terrains in the Republic of Upper Volta," *Geophysical Prospecting*, Vol 29, pp 932-955.

**Palmer 1980**

Palmer, D. 1980. "The Generalized Reciprocal Method of Seismic Refraction Interpretation," Society of Exploration Geophysicists, Tulsa, OK.

**Parasnis 1962**

Parasnis, D. S. 1962. *Principles of Applied Geophysics*, Methuen and Co., Ltd, London.

**Parasnis 1973**

Parasnis, D. S. 1973. *Mining Geophysics*, Elsevier Scientific Publishing, New York.

**Patten and Bennett 1963**

Patten, E. P., and Bennett, G. D. 1963. "Application of Electrical and Radioactive Well Logging to Ground Water Hydrology," US Geological Survey Water Supply Paper 1544-D.

**Pedler et al. 1990**

Pedler, W. H., Barvenik, M. J., Tsang, C. F., and Hale, F. V. 1990. "Determination of Bedrock Hydraulic Conductivity and Hydrochemistry Using a Wellbore Fluid Logging Method," *Proceedings, 4th National Water Well Association Outdoor Action Conference*.

**Pedler, Head, and Williams 1992**

Pedler, W. H., Head, C. L., and Williams, L. L. 1992. "Hydrophysical Logging: A New Wellbore Technology for Hydrogeologic and Contaminant Characterization of Aquifers," *Proceedings of National Groundwater Association 6th National Outdoor Action Conference*, pp 1701-1715.

**Pirson 1963**

Pirson, S. J. 1963. *Handbook of Well Log Analysis*, Prentice-Hall, Englewood Cliffs, NJ.

**Prakash 1981**

Prakash, Shamsher. 1981. *Soil Dynamics*, McGraw-Hill Book Company, New York.

**Redpath 1973**

Redpath, B. B. 1973. "Seismic Refraction Exploration for Engineering Site Investigations," Technical Report E-73-4, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Redpath et al. 1982**

Redpath, B. B., Edwards, R. B., Hale, R. J., and Kintzer, F. C. 1982. "Development of Field Techniques to Measure Damping Values for Near-surface Rocks and Soils," Unpublished report prepared for the National Science Foundation Earthquake Hazards Mitigation, New York.

**Schimschal 1986**

Schimschal, Ulrich. 1986. "VSP Interpretation and Applications," Schlumberger Educational Services, Houston, TX.

**Scott 1977**

Scott, J. H. 1977. "Borehole Compensation Algorithms for a Small-Diameter, Dual-Detector Density Well-Logging Probe," *Transactions, Society of Professional Well Log Analysts 18th Annual Logging Symposium*, Society of Professional Well Log Analysts, pp S1-S17.

**Seigel 1959**

Seigel, H. O. 1959. "Mathematical Formulation and Type Curves for Induced Polarization," *Geophysics*, Vol 24, No. 3, pp 547-565.

**Seigel 1970**

Seigel, H. O. 1970. "The Induced Polarization Method in Mining and Groundwater Geophysics," Geological Survey Canada, Economic Geology Report 26.

**Sharp, Yule, and Butler 1990**

Sharp, Michael K., Yule, Donald E., and Butler, Dwain K. 1990. "Geophysical Investigation of Burial Site 3-A, Defense Depot, Ogden, Utah," Miscellaneous Paper GL-90-6, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Sirles and Viksne 1990**

Sirles, P. C., and Viksne, A. 1990. "Site-Specific Shear Wave Velocity Determinations for Geotechnical Engineering Applications," *Geotechnical and Environmental Geophysics, Investigations in Geophysics No. 5*, Society of Exploration Geophysicists, Tulsa, OK, pp 121-131.

**Sirles, Custer, and McKisson 1993**

Sirles, P. C., Custer, D., and McKisson, D. 1993. "CROSSIT Version 2," (computer program for data reduction and presentation of crosshole seismic measurements), US Bureau of Reclamation, Denver, CO.

**Society of Professional Well Log Analysts 1979**

Society of Professional Well Log Analysts, Houston Chapter. 1979. "The Art of Ancient Log Analysis," Houston, TX.

**Sternberg et al. 1990**

Sternberg, Ben K., and others. 1990. "Geophysical Investigations in Support of the Arizona SSc Project," *Geotechnical and Environmental Geophysics*, Vol 3, Society of Exploration Geophysicists, Tulsa, OK, pp 211-228.

**Stokoe 1980**

Stokoe, K. H. 1980. "Field Measurement of Dynamic Soil Properties," *Specialty Conference on Civil Engineering and Nuclear Power*, ASCE, Sept. 15-17, Knoxville, TN.

**Telford et al. 1976**

Telford, W. M., and others. 1976. *Applied Geophysics*, Cambridge University Press.

**Telford, Geldart, and Sheriff 1990**

Telford, W. M., Geldart, L. P., and Sheriff, R. E. 1990. *Applied Geophysics*, Cambridge University Press, New York.

**Toksoz 1984**

Toksoz, M. N. 1984. "Vertical Seismic Profiling; Part B: Advanced Concepts," *Geophysical Press*, London.

**Tsang, Hufschmied, and Hale 1990**

Tsang, C. H., Hufschmied, P., and Hale, F. V. 1990. "Determination of Fracture Inflow Parameters with a Borehole Fluid Conductivity Method," *Water Resources Research*, Vol 26, No. 4, pp 561-578.

**U.S. Bureau of Reclamation 1989**

U.S. Bureau of Reclamation. 1989. "Seismic Design and Analysis," *Design Standards for Embankment Dams*, US Bureau of Reclamation, Denver, CO.

**U.S. Bureau of Reclamation 1992**

U.S. Bureau of Reclamation. 1992. "Geophysical Investigations at Tabor Dam," Unpublished report D-3611, Seismotectonics and Geophysics Section, US Bureau of Reclamation, Denver, CO.

**Vacquier et al. 1957**

Vacquier, Victor, Holmes, C. R., Kintzinger, P. R., and Lavergne, Michel. 1957. "Prospecting for Ground Water by Induced Electrical Polarization," *Geophysics*, Vol 12, No. 3, pp 660-687.

**van Blaricom 1980**

van Blaricom, R. 1980. "Practical Geophysics for the Exploration Geologist," Northwest Mining Association, Spokane, WA.

**Van Nostrand and Cook 1966**

Van Nostrand, R. G., and Cook, K. L. 1966. "Interpretation of Resistivity Data," US Geological Survey Prof. Paper 499.

**Vernon et al. 1993**

Vernon, J. H., Paillet, F. L., Pedler, W. H., and Griswold, W. J. 1993. "Application of Borehole Geophysics in Defining the Wellhead Protection Area for a Fractured Crystalline Bedrock Aquifer," *The Log Analyst*, Vol 35, No. 1, pp 41-57.

**Wetzel and McMurray 1937**

Wetzel, W. W., and McMurray, H. V. 1937. "A Set of Curves to Assist in the Interpretation of the Three Layer Resistivity Problem," *Geophysics*, Vol 2, pp 329-341.

**White 1983**

White, J. E. 1983. *Underground Sound, Application of Seismic Waves*, Elsevier Science Publishing Co., New York.

**Wilt and Butler 1990**

Wilt, Michael J., and Butler, Dwain K. 1990. "Geotechnical Applications of the Self Potential (SP) Method; Report 4, Numerical Modeling of SP Anomalies: Documentation of Program SPPC and Applications," Technical



Report REMR-GT-6, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Wolff et al. 1974**

Wolff, R. G., Bredehoeft, J. D., Keys, W. S., and Shuter, Eugene. 1974. "Tectonic Stress Determinations, Northern Piceance Creek Basin, Colorado," *Denver, Rocky Mountain Association of Geologists Guidebook*, pp 193-198.

**Wood 1987**

Wood, R. C. 1987. "Uses of the EM31 Terrain Conductivity Meter for Mapping Surficial Geology and Ground-water Features in Dryland Salinity Investigations--a Discussion Paper," Internal Repl, Prairie Farm Rehabilitation Administration, Lethbridge, Alberta, Canada.

**Wright 1988**

Wright, James. 1988. *VLF Interpretation Manual*, EDA Instruments Inc., 9200 E. Mineral Avenue, Suite 370, Englewood, CO 80112.

**Wyllie 1963**

Wyllie, M. R. J. 1963. *The Fundamentals of Well Log Interpretation*, Academic Press, New York.

**Yearsley and Crowder 1990**

Yearsley, E. N., and Crowder, R. E. 1990. "Acoustic Spectrum Analysis of Borehole Sonic Logs for Engineering Properties and Fracture Characterization: A Case History," *Proceedings of the 1990 Annual Symposium on Engineering Geology and Geotechnical Engineering*, No. 26.

**Yearsley, Crowder, and Irons 1991**

Yearsley, E. N., Crowder, R. E., and Irons, L. A. 1991 (Winter). "Monitoring Well Completion Evaluation with Borehole Geophysical Density Logging," *Ground Water Monitoring Review*.

**Zemanek et al. 1969**

Zemanek, J., Caldwell, R. L., Glenn, E. E., Jr., Holcomb, S. V., Norton, L. J., and Straus, A. J. D. 1969. "The Borehole Televue - A New Logging Concept for Fracture Location and Other Types of Borehole Inspection," *Journal of Petroleum Technology*, Vol 21, No. 6, pp 762-774.

**Zhang and Luo 1990**

Zhang, Guiqing, and Luo, Yanzhong. 1990. "The Application of IP and Resistivity Methods to Detect Underground Metal Pipes and Cables," *Geotechnical and Environmental Geophysics*, Vol 3, Society of Exploration Geophysicists, Tulsa, OK, pp 239-248.

**Zohdy 1965**

Zohdy, Adel. 1965. "The Auxiliary Point Method of Electrical Sounding Interpretation, and Its Relationship to the Dar Zarrouk Parameters," *Geophysics*, Vol 30, pp 644-660.

**Zohdy 1968**

Zohdy, Adel. 1968. "The Effect of Current Leakage and Electrode Spacing Errors on Resistivity Measurements," U.S. Geological Survey, Prof. Paper 600-D, pp 822-833.

**Zohdy 1973**

Zohdy, Adel. 1973. "A Computer Program for the Automatic Interpretation of Schlumberger Sounding Curves Over Horizontally Stratified Media," U.S. Geological Survey Open File Report No. USGS-GD-74-017.

**Zohdy 1974a**

Zohdy, Adel. 1974. "A Computer Program for the Calculation of Schlumberger Sounding Curves by Convolution," U.S. Geological Survey Open File Report No. USGS-GD-74-010.

**Zohdy 1974b**

Zohdy, Adel. 1974. *Electrical Methods in US Geological Survey, Tech Water Resources Inv*, Book 2, Chap D1.

**Zohdy 1975**

Zohdy, Adel. 1975. "Automatic Interpretation of Schlumberger Sounding Curves, Using Modified Dar Zarrouk Functions," U.S. Geological Survey Bulletin 1313-E.

**Zohdy and Bisdorf 1975**

Zohdy, Adel, and Bisdorf, R. J. 1975. "Computer Programs for the Forward Calculation and Automatic Inversion of Wenner Sounding Curves," U.S. Geological Survey.